



## **Zigbee WIRELESS INTERFACE SWITCHES & PUSH BUTTONS NO LONGER NEED CABLES, SAVING CABLING, POWER SUPPLY & INSTALLATION COSTS**

Intelligent Distributed Controls (IDC) has extended its range of Zigbee™ wireless communication products with the introduction of the ZB107 Wireless Switch Interface. Designed to mount directly onto standard push buttons, and also pull switch enclosures in place of the normal cable gland entry, the unit will accommodate up to 16 inputs. Offering the advantage of extremely low power consumption, the ZB107 requires just two AA internal batteries, which will last for years without replacement in most applications.

The ZB107 is designed to act as a wireless "end node" in "Zigbee" wireless networks. These operate at 2.4GHz on a licence - free IEEE 802.15.4 international standard, providing secure and robust wireless coverage up to 100m, with network extension via routers for longer distances.

Typical applications for the ZB107 include push button stations, pull cord operation for "Andon" call and progress monitoring in manufacturing operations, level monitoring in bunkers and tanks, traffic light control and mobile plant interlocking. The Picture Shows the ZB107 coupled to a Bernstein Pull Switch offering a wireless Pull Cord solution.

The ZB family of Product includes Ethernet and Serial gateways, Routers, Micro Controllers and Handheld Devices, providing a comprehensive single source for complete wireless solutions. These range from simple cable elimination to large scale, site-wide telemetry systems in a distributed control system architecture.

All of the modules offer a unique 64 bit MAC identifier, embedded intelligence, battery management and extremely low power consumption. To support the development and integration of the product range IDC have also developed client server applications, which include the ZBServer for web services integration, "over the air" programming, data logging, and OPC connectivity for SCADA integration.

For machine builders and system designers who wish to offer wireless- based systems integration the ZB product family of hardware modules and software applications offer a complete one stop shop solution.

## **About IDC**

Intelligent Distributed Controls (IDC Ltd) is based in Derby. The company has a highly skilled team of dedicated hardware and software design, development and application engineers. These personnel have specialist application knowledge of control systems applied to logistics, warehouse distribution and manufacturing. This applications experience has enabled IDC to develop key skills in real time control, RFID and wireless technology, and to develop niche products for these industries and related OEMs. IDC's customer base includes Toyota (UK and Europe), Toys-R-U's (UK and Europe), ASDA George, GE Aviation, Astra Zeneca and BAE Systems.

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## **Editor Contact**

DMA Europa Ltd. : Brett Davies

Tel: +44 (0)1299 405454

Fax: +44 (0)1299 403092

Web: [www.dmaeuropa.com](http://www.dmaeuropa.com)

Email: [admin@dmaeuropa.com](mailto:admin@dmaeuropa.com)



## Company Contact

IDC Ltd : Peter Hadley

Tel: +44 (0)1332 604030

Fax: +44 (0) 1332 604031

Web: [www.zig-bee.co.uk](http://www.zig-bee.co.uk)

Email: [sales@idc-limited.co.uk](mailto:sales@idc-limited.co.uk)